



6DA4

HALF-WAVE VACUUM RECTIFIER

For television damper service

6DA4

GENERAL DATA

Electrical:

Heater, for Unipotential Cathode:

Voltage (AC or DC) 6.3 $\pm$ 10% volts

Current 1.2 amp

Direct Interelectrode Capacitances

(Approx.):^o

Plate to cathode and heater 6 μ f

Cathode to plate and heater 8 μ f

Heater to cathode 3 μ f

Mechanical:

Operating Position. Any

Maximum Overall Length. 3-5/16"

Maximum Seated Length 2-3/4"

Maximum Diameter. 1-9/32"

Dimensional Outline See General Section

Bulb. T9

Base. Intermediate-Shell Octal 5-Pin,

Arrangement 2 (JEDEC Group 1, No.B5-82),

Intermediate-Shell Octal 6-Pin,

Arrangement 1 (JEDEC Group 1, No.B6-8),

Short Intermediate-Shell Octal 5-Pin

with External Barriers, Arrangement 2

(JEDEC Group 1, No.B5-85), or

Short Intermediate-Shell Octal 6-Pin

with External Barriers, Arrangement 1

(JEDEC Group 1, No.B6-60)

Basing Designation for BOTTOM VIEW 4CG

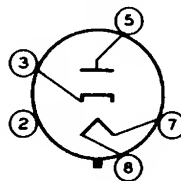
Pin 1 $\blacklozenge$ - Same as

Pin 2

Pin 2 - Internal

Connection—

Do Not Use •



Pin 3 - Cathode

Pin 5 - Plate

Pin 7 - Heater

Pin 8 - Heater

DAMPER SERVICE

Maximum Ratings, Design-Maximum Values:

For operation in a 525-line, 30-frame system^o

PEAK INVERSE PLATE VOLTAGE* 4400 max. volts

PEAK PLATE CURRENT. 900 max. ma

DC PLATE CURRENT. 155 max. ma

PLATE DISSIPATION 5.5 max. watts

PEAK HEATER-CATHODE VOLTAGE:

Heater negative with respect to cathode . 4400[▲] max. volts

Heater positive with respect to cathode . 300^{*} max. volts

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Characteristics:

Tube-Voltage Drop for plate

ma. = 250 22 volts

○ Without external shield.

◆ On the 5-pin bases, pin 1 as well as pins 4 and 6 is omitted.

● Socket terminals 1, 2, 4 and 6 should not be used as tie points.

□ As described in "Standards of Good Engineering Practice Concerning Television Broadcast Stations," Federal Communications Commission.

* This rating is applicable when the duty cycle of the voltage pulse does not exceed 15 per cent of one horizontal scanning cycle. In a 525-line, 30-frame system, 15 per cent of one horizontal scanning cycle is 10 microseconds.

▲ The dc component must not exceed 900 volts.

* The dc component must not exceed 100 volts.